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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. **NEC F-11100 DIV**First Inventor **TAKEUCHI**Title **VARIABLE DRIVE CURRENT DRIVER CIRCUIT**Express Mail Label **EU984257317US****APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:  
Mail Stop Patent Application  
Commissioner for Patents  
P. O. Box 1450  
Alexandria VA 22313-145022387 U.S. PTO  
08/25/03

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages **12**]   
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets **5**]   
5. Oath or Declaration [Total Pages ]   
 a.  Newly executed (original or copy)   
 b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statements verifying identity of above copies

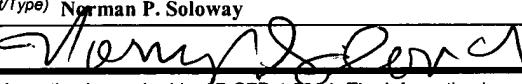
**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of Attorney (when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: **Change of Attorney Address**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: **09/874,737**Prior application information: Examiner **Nguyen, Long T.** Group / Art Unit: **2816**

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS** Customer Number: **27667** or  Correspondence address belowName **Norman P. Soloway**  
**HAYES SOLOWAY P.C.**Address **130 W. Cushing Street**City **Tucson** State **Arizona** Zip Code **85701**Country **USA** Telephone **(520) 882-7623** Fax **(520) 882-7643**Name (Print/Type) **Norman P. Soloway**Registration No. (Attorney/Agent) **24,315**Signature Date **August 25, 2003**

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

<b>TOTAL AMOUNT OF PAYMENT</b>	<b>(\\$)</b>	<b>\$750.00</b>
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**Complete if Known**

Application Number	
Filing Date	August 25, 2003
First Named Inventor	TAKEUCHI
Examiner Name	Nguyen, Long T.
Group Art Unit	2816
Attorney Docket No.	NEC F-11100 DIV

**METHOD OF PAYMENT (check all that apply)**

Check  Credit card  Money Order  Other  None  
 Deposit Account:

Deposit Account Number **08-1391**  
 Deposit Account Name

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee Code (\$)	Fee Description	
1051	130	2051 65 Surcharge - late filing fee or oath	
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053 130 Non - English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	410	2252 205 Extension for reply within second month	
1253	930	2253 465 Extension for reply within third month	
1254	1,450	2254 725 Extension for reply within fourth month	
1255	1,970	2255 985 Extension for reply within fifth month	
1401	320	2401 160 Notice of Appeal	
1402	320	2402 160 Filing a brief in support of an appeal	
1403	280	2403 140 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 55 Petition to revive - unavoidable	
1453	1,300	2453 650 Petition to revive - unintentional	
1501	1,300	2501 650 Utility issue fee (or reissue)	
1502	470	2502 235 Design issue fee	
1503	630	2503 315 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR § 1.17(q)	
1806	180	1806 180 Submission of Information Disclosure Statement	
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
1809	750	2809 375 Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810 375 For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801 375 Request for Continued Examination (RCE)	
1802	900	1802 900 Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

**2. EXTRA CLAIM FEES FOR UTILITY AND**

Total Claims	6	-20** =	0	X		=	0.00
Independent Claims	3	-3** =	0	X		=	0.00
Multiple Dependent							

**Large Entity**

Fee Code	Fee Code (\$)	Fee Description
1202	18	2202 9 Claims in excess of 20
1201	84	2201 42 Independent claims in excess of 3
1203	280	2203 140 Multiple dependent claim, if not paid
1204	84	2204 42 ** Reissue independent claims over original patent
1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)	(\\$)	\$0.00
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\*\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$)

**SUBMITTED BY**

Name (Print/Type)	Norman P. Soloway	Registration No. (Attorney/Agent)	24,315	Telephone	(520) 882-7623
Signature			Date	August 25, 2003	

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization n**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): TAKEUCHI

Docket No.

NEC F-11100 DIV

Serial No.

Filing Date

August 25, 2003

Examiner

Nguyen, Long T.

Group Art Unit

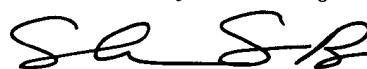
2816

Invention: **VARIABLE DRIVE CURRENT DRIVER CIRCUIT**

I hereby certify that the following correspondence:

**DIVISIONAL PATENT APPLICATION***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

August 25, 2003*(Date)***Shauna Bronson***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EU984257317US***("Express Mail" Mailing Label Number)*

Note: Each paper must have its own certificate of mailing.

**Change Of Attorney Or Agent's Address In Application  
(37 CFR 1.8(a))**

Docket No.  
**NEC F-11100 DIV**

In Re Application Of: **TAKEUCHI**

Serial No.

Filing Date

**August 25, 2003**

Examiner

**NGUYEN, Long T.**

Group Art Unit

**2816**

Invention: **VARIABLE DRIVE CURRENT DRIVER CIRCUIT**

**TO THE COMMISSIONER FOR PATENTS**

Please send all correspondence for this application to:

**Norman P. Soloway  
HAYES SOLOWAY P.C.  
130 W. Cushing Street  
Tucson, Arizona 85701**

Please direct all telephone calls to:

**(520) 882-7623**



*Signature of Attorney or Agent of Record*

**Dated: August 25, 2003**

**Norman P. Soloway, Esq.  
Reg No. 24,315  
HAYES SOLOWAY P.C.  
130 W. Cushing Street  
Tucson, Arizona 85701**

*Registration Number & Address of Attorney or Agent of Record*

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22313-1450.*

*Signature of Person Mailing Correspondence*

*Typed or Printed Name of Person Mailing Correspondence*

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): TAKEUCHI

Docket No.

NEC F-11100 DIV

Serial No.

Filing Date

August 25, 2003

Examiner

Nguyen, Long T.

Group Art Unit

2816

Invention: **VARIABLE DRIVE CURRENT DRIVER CIRCUIT**

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**CHANGE OF ATTORNEY ADDRESS***(Identify type of correspondence)*

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August 25, 2003*(Date)***Shauna Bronson***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EU984257317US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**